

**bs-11670R****[ Primary Antibody ]****SETDB1/KMT1E Rabbit pAb****BioSS**  
**ANTIBODIES**

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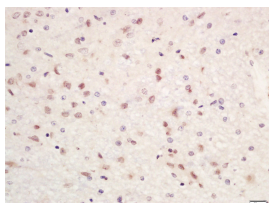
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**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 9869 <b>Target:</b> SETDB1/KMT1E <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human KMT1E: 201-300/1291. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. <b>Background:</b> This gene encodes a histone methyltransferase which regulates histone methylation, gene silencing, and transcriptional repression. This gene has been identified as a target for treatment in Huntington Disease, given that gene silencing and transcription dysfunction likely play a role in the disease pathogenesis. Alternatively spliced transcript variants of this gene have been described.[provided by RefSeq, Jun 2011]	<b>Isotype:</b> IgG <b>SWISS:</b> Q15047	<b>Applications:</b> IHC-P (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Reactivity:</b> Rat (predicted: Human, Mouse, Rabbit, Pig, Sheep, Cow, Dog, Horse) <b>Predicted MW.:</b> 143 kDa <b>Subcellular Location:</b> Nucleus
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**— VALIDATION IMAGES —**

Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-SETDB1 / KMT1E Polyclonal Antibody, Unconjugated(bs-11670R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

**— SELECTED CITATIONS —**

- **[IF=8.1]** Marco, Asaf, et al. "DNA CpG Methylation (5mC) and Its Derivative (5hmC) Alter Histone Post Translational Modifications at the Pomc Promoter, Affecting the Impact of Perinatal Diet on Leanness and Obesity of the Offspring." Diabetes (2016): db151608. WB,IP ;="Rat". 27217481
- **[IF=4.304]** Bilmez, Yesim. et al. Expression of the histone lysine methyltransferases SETD1B, SETDB1, SETD2, and CFP1 exhibits significant changes in the oocytes and granulosa cells of aged mouse ovaries. HISTOCHEM CELL BIOL. 2022 Apr;;1-17 IHC ;Mouse. 35445296
- **[IF=4.4]** Yesim Bilmez. et al.Histone lysine methyltransferases and their specific methylation marks show significant changes in mouse testes from young to older ages.BIOGERONTOLOGY.2025 Jan 20;26(1):42. IHC ;Mouse. 39832035

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.